

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/047478 A2

- (51) International Patent Classification⁷: C12N
- (21) International Application Number:
PCT/US2004/037578
- (22) International Filing Date:
12 November 2004 (12.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/519,818 12 November 2003 (12.11.2003) US
- (71) Applicant (for all designated States except US): **THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE** [US/US]; 201 Regent Administrative Center, Boulder, CO 80309 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **KIM, Soo-Hyun** [KR/US]; 19833 East Villanova Place, Aurora, CO 80013 (US). **DINARELLO, Charles, A.** [US/US]; 333 15th Street, Boulder, CO 80302 (US). **AZAM, Tanla** [US/US]; 7685 East Gunnison Place, Denver, CO 80231 (US).
- (74) Agents: **LEKUTIS, Christine, A.** et al.; Medlen & Carroll, LLP, 101 Howard Street, Suite 350, San Francisco, CA 94105 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITIONS AND METHODS FOR REGULATION OF TUMOR NECROSIS FACTOR-ALPHA

(57) Abstract: The present invention relates to compositions and methods relating to an interleukin18- inducible cytokine termed tumor necrosis factor-alpha inducing factor (TAIF) or interleukin-32 (IL-32). In particular, the present invention provides compositions and methods for treating autoimmune diseases and cancer, in part by regulation of tumor necrosis factor-alpha expression.

WO 2005/047478 A2